Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A polymeric material used in combination with a tissue adhesive, which comprises carbon or silicon as a constitutional element, and at least a portion of the surface of which is modified by ion bombardment.

2. (Original) The polymeric material according to claim 1 wherein the tissue adhesive is fibrin glue.

3. (Currently Amended) The polymeric material according to claim 1 ~~or 2~~ wherein the polymeric material comprising carbon or silicon as a constitutional element is expanded polytetra-fluoroethylene (ePTFE), polylactic acid, or polyglactin.

4. (Currently Amended) The polymeric material according to claim 1 ~~any of claims 1 to 3~~ wherein the modification by ion bombardment is carried out by irradiation with ions at a dose (φ) of $1 \times 10^{12} \leq \varphi \leq 1 \times 10^{16}$ ions/cm^2.

5. (Currently Amended) The polymeric material according to claim 1 ~~any of claims 1 to 4~~ which is used for an artificial dura mater, and artificial blood vessel, a patch used for the heart or blood vessel, or a surgical suture.

6. (Currently Amended) A method for producing the polymeric material of claim 1 ~~any of claims 1 to 5~~, which is characterized in at lease a portion of the surface of the polymeric material comprising carbon or silicon as a constitutional element is irradiated with ions at a dose (φ) of $1 \times 10^{12} \leq \varphi \leq 1 \times 10^{16}$ ions/cm^2.

7. (Original) A method for improving the affinity of a polymeric material comprising carbon or silicon as a constitutional element with a tissue adhesive, which is characterized in that at least a portion of the surface of the polymeric material is irradiated with ions at a dose (φ) of $1 \times 10^{12} \leq \varphi \leq 1 \times 10^{16}$ ions/cm^2.